

# INTERNATIONAL SEARCH REPORT

national Application No

PCT/PT2004/000014

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12G3/08 B01D61/02 B01D61/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12G B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 82/02405 A (BONNEAU MARC) 22 July 1982 (1982-07-22) page 1, line 3 - line 12 page 2, line 37 - page 4, line 7 page 4, line 24 - page 6, line 7; example 1	1-3,8-11
Y	US 4 812 232 A (WEISS MANFRED) 14 March 1989 (1989-03-14) cited in the application column 1, line 13 - line 17 column 2, line 19 - column 3, line 29 column 6, line 60 - column 7, line 28; figure 1	1-3,8-11

-/--

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

25 August 2004

Date of mailing of the international search report

03/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Marti, P

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/PT2004/000014

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 92/08783 A (DOW DANMARK ; DOW DEUTSCHLAND INC (DE)) 29 May 1992 (1992-05-29) page 7, line 18 - page 8, line 27 page 11, line 19 - page 12, line 9 page 16, line 29 - page 21, line 11 -----	1-3,8-11
Y	GB 1 447 505 A (LOEWENBRAEU MUENCHEN) 25 August 1976 (1976-08-25) the whole document -----	1-3,8-11
Y	WO 01/78881 A (TUDHOPE BRYAN RICHARD) 25 October 2001 (2001-10-25) the whole document -----	1-3,8-11
A	EP 0 464 322 A (PERDOMINI SPA) 8 January 1992 (1992-01-08) the whole document -----	1,4-7

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/PT2004/000014

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 8202405	A	22-07-1982	FR 2497825 A1 AT 16199 T AU 8000782 A DE 3266969 D1 EP 0069137 A1 WO 8202405 A1 US 4499117 A	16-07-1982 15-11-1985 02-08-1982 28-11-1985 12-01-1983 22-07-1982 12-02-1985
US 4812232	A	14-03-1989	DE 3413085 A1 AT 394206 B AT 250184 A CA 1236035 A1 DE 3561208 D1 EP 0162240 A1 ES 8705032 A1 IL 74811 A US 4681767 A	24-10-1985 25-02-1992 15-08-1991 03-05-1988 28-01-1988 27-11-1985 01-07-1987 31-01-1989 21-07-1987
WO 9208783	A	29-05-1992	AU 8858491 A BR 9106981 A CA 2095917 A1 CZ 9300887 A3 WO 9208783 A1 EP 0557325 A1 HU 67497 A2 JP 6501391 T	11-06-1992 31-08-1993 14-05-1992 16-03-1994 29-05-1992 01-09-1993 28-04-1995 17-02-1994
GB 1447505	A	25-08-1976	DE 2243800 A1 DE 2323094 A1 AU 5847073 A DD 106199 A5 JP 50029795 A NL 7310425 A	02-08-1973 21-11-1974 30-01-1975 05-06-1974 25-03-1975 06-03-1974
WO 0178881	A	25-10-2001	AU 4097701 A EP 1276550 A1 WO 0178881 A1 US 2003075506 A1 ZA 200209138 A	30-10-2001 22-01-2003 25-10-2001 24-04-2003 02-12-2003
EP 0464322	A	08-01-1992	IT 1242866 B AT 139141 T DE 69120152 D1 DE 69120152 T2 EP 0464322 A1 ES 2090163 T3	18-05-1994 15-06-1996 18-07-1996 06-02-1997 08-01-1992 16-10-1996